PATENT COOPERATION TREATY

PCT Corrected

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REC'D 10 OCT 2002

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

10/019165

Applicant's or agent's file reference 899-55475 FOR FURTHER ACTION See Notification of Transmittal of Preliminary Examination Report (Form I		Notification of Transmittal of International inary Examination Report (Form PCT/IPEA/416)
International application No.	International filing date (day/month/yea	r) Priority date (day/month/year)
PCT/US00/17427	22 JUNE 2000	25 JUNE 1975 FCEN
International Patent Classification (IPC IPC(7): C12N 5/00; A01N 63/00 and	C) or national classification and IPC and US Cl.: 485/872, 883; 424/98.7	MAR 2 1 2003
Applicant OREGON HEALTH SCIENCES UN	IIVERSITY	TECH CENTER 1000/00000
Examining Authority and 2. This REPORT consists of This report is also acco	is transmitted to the applicant according a total of sheets. mpanied by ANNEXES, i.e., sheets of the	e description, claims and/or drawings which have aining rectifications made before this Authority.
These annexes consist of a	total of sheets.	
3. This report contains indicati	ons relating to the following items:	
I X Basis of the rep	port	
II Priority		
<u></u>	cent of report with regard to povelty in	nventive step or industrial applicability
		round buy or management,
V X Reasoned statemocitations and exp		velty, inventive step or industrial applicability,
VI Certain document		
	the international application	RECEIVED
VIII Certain observati	ons on the international application	MAR 2 1 2003
		TECH CENTER 1600/2900
Date of submission of the demand	Date of comp	letion of this report
12 JANUARY 2001	26 MARC	CH 2001
Name and mailing address of the IPE	l l	ficer alul 10 for
Commissioner of Patents and Trad Box POT		E LANKFORD
Washington, D.C. 20231	Telephone No	D. · (703) 308-1235
Facsimile No. (703) 305-3230		\ /

Form PCT/IPEA/409 (cover sheet) (July 1998)*

CORRECTED VERSION

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/US00/17427

1, B	asis of the rep	ort 				
1. With regard to the elements of the international application:*						
	_	nal application as				
늗	the description					
X	pages	1-24		, as originally filed		
	pages	NONE				
	pages	NONE	, filed with the letter of			
X	the claims:	25-27				
	pages		, as amended (together with any st	, as originally filed		
	pages		, as amended (together with any se			
	pages		, filed with the letter of	, mod with the domain		
	P-6-0		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
X	the drawings:					
	pages	1-4		, as originally filed		
	pages			, filed with the demand		
	pages	NONE	, filed with the letter of			
[]	the segments 1	isting port of the d	agarintian:			
X	pages	isting part of the de NONE	escription.	as originally filed		
	pages	NONE				
	pages	NONE	, filed with the letter of			
	the language of	of a translation fur of publication of t	ted to this Authority in the following language	nder Rule 23.1(b)).		
			amino acid sequence disclosed in the international out on the basis of the sequence listing:	application, the international		
Ш	contained in the	he international ap	oplication in printed form.			
	filed together	with the internation	onal application in computer readable form.			
一	furnished subs	equently to this A	authority in written form.			
금	furnished subsequently to this Authority in computer readable form.					
님		1 ,	tly furnished written sequence listing does not go be	wond the disclosure in the		
لــا	international ap	oplication as filed l	has been furnished.	yong the disclosure in the		
	The statement to been furnished.	hat the information	recorded in computer readable form is identical to the	writen sequence listing has		
4. X	The amendme	ents have resulted	in the cancellation of:			
	X the desc	rintian nagag	NONE			
	wile desc	ription, pages	NONE			
		ns, Nos.		-		
<u> </u>		vings, sheets /fig _	NONE			
5.	_		ome of) the amendments had not been made, since they	have been considered to go		
in ti and	lacement sheets w his report as "or 70.17).	hich have been furnis iginally filed" and c	ndicated in the Supplemental Box (Rule 70.2(c)).** thed to the receiving Office in response to an invitation und the not annexed to this report since they do not contain	n amendments (Rules 70.16		
** <u>An</u>)	repuicement she	eet containing such	amendments must be referred to under item 1 and ann	елей и инь героп.		

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/US00/17427

statement			
Novelty (N)	Claims	1-46	YI
140Velly (14)	Claims	NONE	N(
Inventive Step (IS)	Claims	1-46	YI
	Claims	NONE	NO
Industrial Applicability (IA)	Claims	1-46	YI
	Claims	NONE	NO
citations and explanations (Rule 7 Claims 1-46 meet the criteria set out in PC7 method for enhancing hematopoiesis by impl patient.	7 Article 33(2)-		
 NONE			
NONE			
		,	

27a

37. The method of claim 1, wherein the vascular tissue is transplanted under the kidney capsule.

38. The method of claim 1, wherein the vascular tissue is transplanted intraperitoneally or subcutaneously.

30. The method of claim 1, wherein the vascular tissue is transplanted intraperitoneally or subcutaneously.

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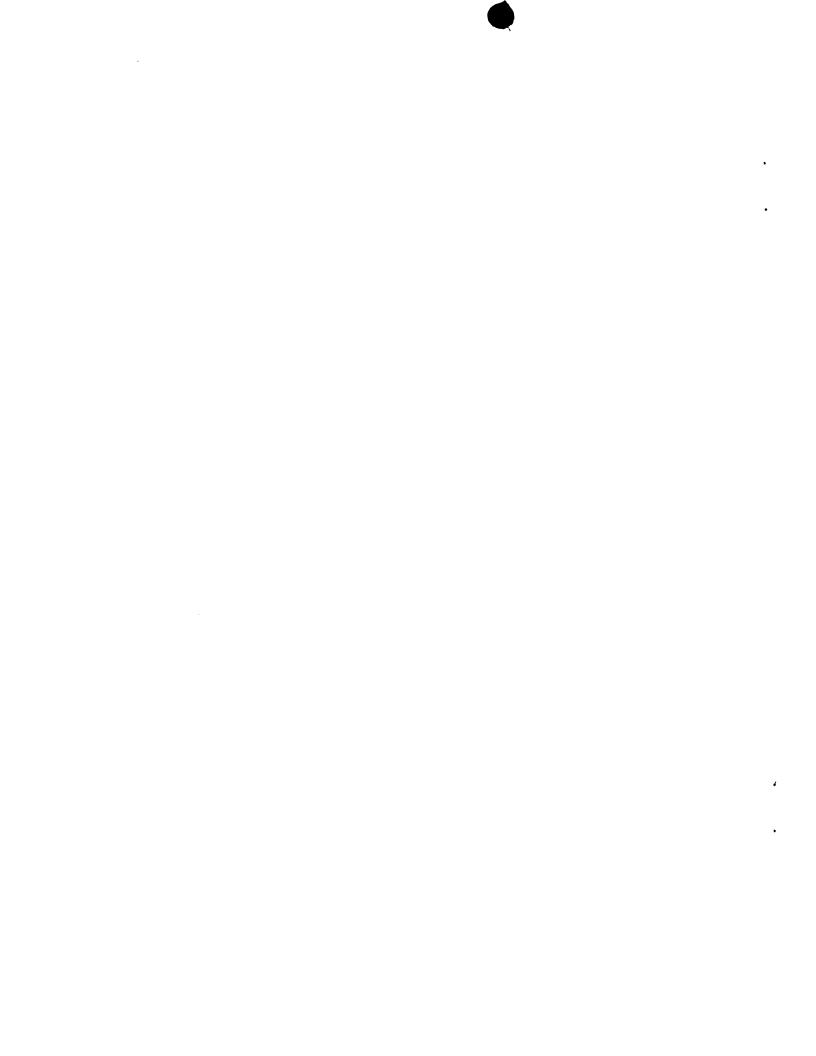
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- 39. The method of claim 1, wherein the vascular tissue does not form an enclosed lumen.
- 10 40. The method of claim 1, further comprising assaying hematopoiesis in a sample from the subject.
 - 41. The method of claim 11, wherein the vascular tissue is transplanted under the kidney capsule.
 - 42. The method of claim 11, wherein the vascular tissue is transplanted or intraperitoneally or subcutaneously.
 - 43. The method of claim 11, wherein the vascular tissue does not form an enclosed lumen.
 - 44. The method of claim 20, wherein the vascular tissue is at least a portion of an artery or vein.
 - 45. The method of claim 20, wherein the subject is a non-human animal subject.
 - 46. The method of claim 31, wherein the vascular tissue is transplanted under the kidney capsule, intraperitoneally, or subcutaneously.



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.





INTERNATIONAL SEARCH REPORT

International application No. PCT/US00/17427

IPC(7)	SSIFICATION OF SUBJECT MATTER : C12N 5/00; A01N 63/00 : 435/372, 383; 424/93.7				
	to International Patent Classification (IPC) or to both	national classification and IPC			
B. FIEL	DS SEARCHED				
	ocumentation searched (classification system followe	d by classification symbols)			
Documental	tion searched other than minimum documentation to the	e extent that such documents are included	in the fields searched		
Electronic d EAST	lata base consulted during the international search (n	ame of data base and, where practicable,	, search terms used)		
C. DOC	UMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.		
X	US 5,750,397 A (TSUKAMOTO et a document.	al.) 12 May 1998, see entire	26, 34-36		
x	US 3,993,078 A (BERGENTZ et al.) 2 document.	1-33			
į					
Furth	er documents are listed in the continuation of Box C	. See patent family annex.			
	scial categories of cited documents:	"T" later document published after the inte- date and not in conflict with the appli- the principle or theory underlying the	ication but cited to understand		
to	be of particular relevance tier document published on or after the international filing date	"X" document of particular relevance; the considered novel or cannot be consider	claimed invention cannot be		
cita	cument which may throw doubts on priority claim(s) or which is ad to establish the publication date of another citation or other	when the document is taken alone	•		
"O" do	ecial reason (as specified) cument referring to an oral disclosure, use, exhibition or other ans	"Y" document of particular relevance; the considered to involve an inventive combined with one or more other such being obvious to a person skilled in the bound of the particular relevance.	step when the document is documents, such combination		
	nument published prior to the international filing date but later than priority date claimed	*&* document member of the same patent family			
Date of the	actual completion of the international search	Date of mailing of the international sea	rch report		
23 AUGU	IST 2000	07 SEP 2000			
Name and mailing address of the ISA/US Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231		Authorized officer L. BLAINE LANKFORD	ice La		
•	n (703) 305-3230	Telephone No. (703) 308-1235	•		

Form PCT/ISA/210 (second sheet) (July 1998)★

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